

## ABSTRACT

The present invention relates to methods for delivering a genetic immunogen, comprising a nucleic acid capable of expressing an antigen, optionally complexed with a polymer. The nucleic acid is delivered to the host via an intravascular, oral, buccal, dermal, nasal, or rectal route, where the complex transfects lymphoid tissues resulting in expression of an encoded antigen and induction of an antigen-specific immune response.